

Amendments to the Specification

Please replace the title with the following amended title:

DEVICES TO FACILITATE ALIGNMENT AND FOCUSING OF A FUNDUS CAMERA

Please replace paragraph [0022] in the specification with the following amended paragraph:

[0022] Referring now to the drawings, FIG. 1 shows one example of a fundus camera with projected focus aid marks as described in U.S. Pat. No. 4,187,014. FIG. 1 shows the imaging system of the fundus camera which comprises an objective lens 2 to collect light from the subject eye 1, a hole in the middle of an illumination reflecting mirror 4 to allow light to pass to the focussing lens 6 and imaging lens 7 and then to the imaging device 8. In this invention, the focus aid mark projection system is implemented via components 5,9,10,11,12,13. Note that prisms 11 are shown rotated 90 deg about the optical axis, for clarity. Light from source 13 is ~~collected~~ condensed by the condenser lens 12 then split by the pair of splitting prisms and associated slit mask 11 into two diverging beams, then focussed by lens 10 and reflected by mirrors 9 and 5 so as to pass through two holes in mirror 4 either side of a central hole provided for the light passing to the imaging system 8 and thus to focus an image of the slit 11 at focal plane 3. The position of the focal plane 3 and thus the focus of the imaging system as defined by the image capture device 8 is set by moving the imaging focus lens 6. To maintain the focus of the projected focus aid mark as coplanar with the focus of the imaging system, components 10, 11, 12, 13 in FIG. 1 move in parallel with the imaging focussing lens 6. This system is only feasible if the focussing lens forms part of an afocal optical system, so that the to points on the imaging device 8 pass between elements 6 & 7 as parallel light bundles. This system has the claimed advantages of simplifying the mechanical design of the focus aid mark

projection system, and separating the focus aid mark projection system from the illumination system of the fundus camera.

Please replace paragraph [0026] in the specification with the following amended paragraph:

[0026] FIG. 7 shows an improved alignment mark projection system that forms two alignment marks from a single source 35 by passing light from the source through a collecting condenser lens 34, a pair of prisms 33 and associated slit 32, through a reflecting means 31, and then through the fundus camera illumination system components represented by lens 25 & 24, and mirror 4. For completeness, the remainder of the normal fundus camera illumination system is depicted in FIG. 7 as a light source 30, ~~collector~~ condenser lens 29, IR pass filter 28, xenon flash lamp 27 and ring slit stop 26. The ring slit stop 26 would be configured as two partial segments as depicted in FIG. 7b, so as to stop light from lamp 30 from impinging onto that part of mirror 4 that has holes to pass light from the focus aid mark projection system as discussed above.